TRQ EMERGENCY **Lighting Technologies TRQ, S. L. U.**

EMERGENCY KIT T-LED

Emergency kit designed for LED lamps with internal driver.
Suitable for LED TUBES T5 & T8 (8-20 W) and LED LAMP 3-11W.
Output current automatically adjusted.

Technical Features:
- Power: 220-240V~ 50/60Hz
- Input current: 40mA
- Input power: 4W
- Automatic intelligent control for battery charging
- Battery charging current: 100mA
- Battery re-charging time: 24 horas
-Maintained and Non Maintained mode
- Green LED indicating the battery charging.
- Output Voltage: 160VDC
- Output current: Automatically adjusted
- Output Power: 3 - 20W
- Ni-Cd battery 12V-2,0Ah
- Autonomy: >1 hour
-Protection against battery discharge
- Clase I
- Ambient temperature: 0-50℃
- Max temperatura of body: 70℃
- Test button incorporated
- Max Section of the cables to be connected: 0,75mm^2
- Max distance to the LED LAMP: 2m.
- Compact design
- Dimensions: 160x38x28mm
- mounting holes: 150mm
- Manufactured according to norms: EN 62031, EN 55015, EN 61000-3-2, EN 61547

Working:
Power presence: The device charges permanently the battery and the green led indicating the charging process in ON. In maintained mode, the internal driver of the LED LAMP connected to the kit lights the lamp and in non-maintained mode the LED LAMP is OFF.

Power failure: In case of power failure or low voltage, the kit enters in emergency mode, the green led indicating the battery charge goes OFF,
Maintained mode, the kit continues to aliment the internal driver of the LED LAMP with battery power (DC-DC conversion).
Non maintained mode: The Kit illuminates the LED LAMP same as indicated above. The autonomy provided by the battery is superior 1 hour.

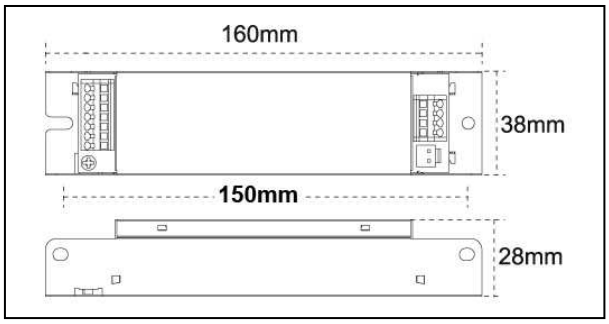
Verification TEST:
During power presence it is possible to TEST the KIT by pressing the TEST BUTTON, as the button is pressed the KIT illuminates the LED LAMP using the battery and green LED (battery charging indicator) goes OFF.

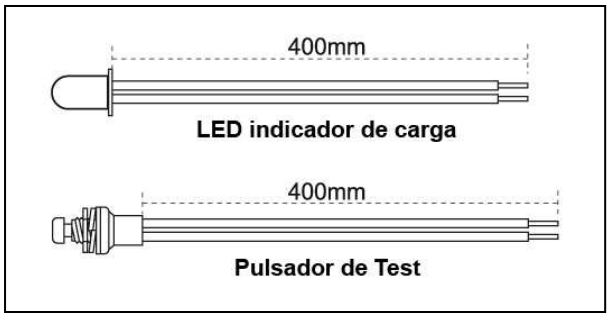
Installation:
- Please refer to the connection diagrams on this page for connection and follow the following steps.
-Verify that the installation is 230v 50/60 Hz and the LED lamp with internal driver to be connected to KIT can work On 160VDC.
- Switch OFF the power to make the installation.
- Connect the LED luminary to the connectors of the KIT (Led LAMP) make sure the polarity.
- Connect the cable with LED indicating the battery charging to the connector in KIT, This LED should be installed in the Luminary or near the luminary so that the charging process indication is visible. Drill hole of 6.5 mm to locate the LED support.
- Connect the Power line to the KIT connector (L), this line should be permanent, if disconnected the KIT will enter in emergency mode.
- Connect the NEUTRAL of line to KIT connector (N).
-Connect the Ground to the KIT connector (ground symbol)
- Connect the Line L1 of the luminary (it is the same line L but has ON/OFF switch of the LED LAMP) to the KIT connector (Lin).
- Connect the battery to the connector of KIT verifying the correct polarity. It is advisable to install the battery inside the luminary.
- Switch ON the main power and verify that the LED indicating the battery charging is ON.

Maintenance:

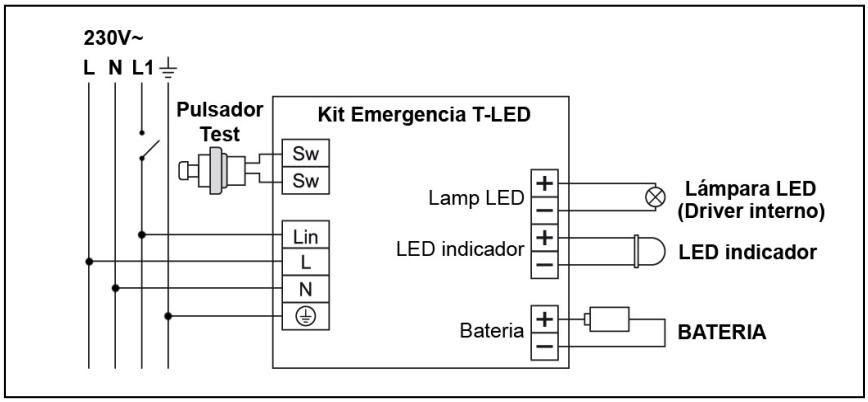
The manipulation and the installation of the kit should be done by qualified technicians.
Always verify that the Voltage of the Mains is adequate to the input voltage of KIT.
Before installation make sure the mains is OFF and the battery is disconnected.
The Ni-cd battery has a life cycle of 4 years or 400 charging cycles, after this, it should be substituted and date of substitution should be notified.
The old battery should be recycled in a proper way, as it can be harmful for the environment.

Dimensions:

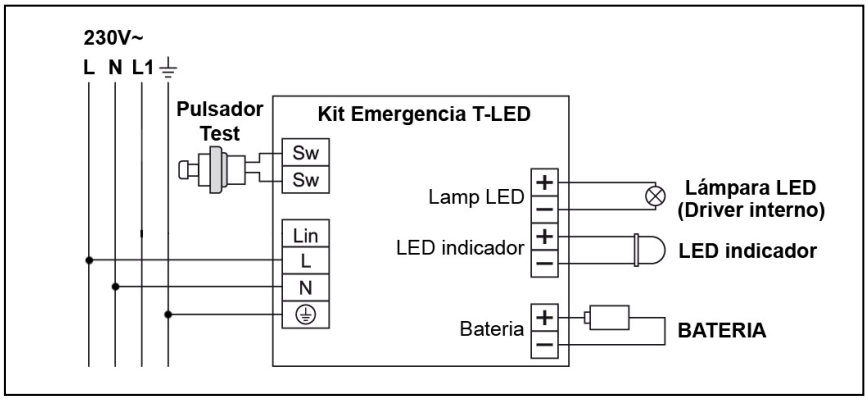




Connection Diagram:



MAINTAINED (ON/OFF switch of LED LAMP)



NON MAINTAINED